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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/619,960

07/15/2003

Giora Biran

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7798

54856

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07/18/2006

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EXAMINER

PARK, ILWOO

ART UNIT

PAPER NUMBER

2182

DATE MAILED: 07/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.		Applicant(s)	
	10/619,960		BIRAN ET AL.	
	Examiner		Art Unit	
	Ilwoo Park		2182	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 April 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>4/3/06</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 8 and 16 are amended in response to the last office action. Claims 1-20 are presented for examination.

Drawings

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they are not corresponded with the following reference sign(s) mentioned in the description: reference numeral 1140 in fig 13 is pointing to POINTER rather than to FRAME as described 'frame descriptor 1140' in page 31, line 18 of the specification. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Double Patenting

3. Claims 1-20 of this application conflict with claims 1-20 of Application No. 10/619,988. 37 CFR 1.78(b) provides that when two or more applications filed by the same applicant contain conflicting claims, elimination of such claims from all but one application may be required in the absence of good and sufficient reason for their retention during pendency in more than one application. Applicant is required to either

cancel the conflicting claims from all but one application or maintain a clear line of demarcation between the applications. See MPEP § 822.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Osborne et al. [US 5,751,951].

As for claim 1, Osborne et al teach an apparatus comprising: a descriptor table [e.g., ring queue 16 in fig. 2A], said apparatus for controlling flow of data between first and second data processing systems [fig. 3A] via a memory, said descriptor table for storing a plurality of descriptors for access [col. 3, lines 28-42] by the first and second data processing systems; and descriptor logic for generating [e.g., col. 19, lines 46-47] the descriptors for storage in the descriptor table, the descriptors including a branch descriptor comprising a link [e.g., fig. 2A] to another descriptor in the table.

6. As for claim 2, Osborne et al teach the descriptors generated by the descriptor logic comprising a frame descriptor defining a data packet to be communicated between a location in the memory and the second data processing system, and a pointer descriptor identifying the location in the memory [col. 5, lines 53-64].

7. As for claim 3, Osborne et al teach the descriptor table is stored in the memory of the first data processing system [col. 14, lines 32-35].

8. As for claim 4, Osborne et al teach the descriptor table is stored in the memory of the second data processing system [col. 14, lines 32-35].
9. As for claim 5, Osborne et al teach the descriptor table comprising a plurality of descriptors lists sequentially linked together via branch descriptors therein [e.g., figs. 2A-2C].
10. As for claim 6, Osborne et al teach the descriptor table comprising a cyclic descriptor list [col. 1, lines 61-64].
11. As for claim 7, Osborne et al teach the first data processing system comprising a host computer system [fig. 3A].
12. As for claim 8, Osborne et al teach the second data processing system comprising a data communications interface for communicating data between a host computer system and a data communications network [fig. 3A].
13. As for claim 9, Osborne et al teach a host computer system having a memory, a data communications interface for communicating data between the host computer system and a data communications network for controlling flow of data between the memory of the host computer system and the data communications interface [fig. 3A].
14. As for claim 10, Osborne et al teach a method comprising controlling flow of data between first and second data processing systems via a memory, the steps of controlling comprising: storing [e.g., figs. 2A-2C] in a descriptor table a plurality of descriptors for access [col. 3, lines 28-42] by the first and second data processing systems; and by descriptor logic, generating [e.g., col. 19, lines 46-47] the descriptors for storage in the descriptor table, the descriptors including a branch descriptor comprising a link [e.g., fig. 2A] to another descriptor in the table.

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15. As for claims 11-20, Osborne et al teach the claimed limitations as discussed above.

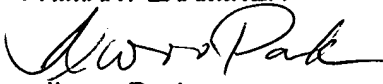
Response to Arguments

16. Applicant's arguments, see page 10, lines 30-31, filed 4/27/2006, with respect to claims 1-20 have been fully considered and are persuasive. The rejection of claims 1-20 has been withdrawn.

Conclusion

17. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ilwoo Park whose telephone number is (571) 272-4155. The examiner can normally be reached on Monday through Friday from 9:00 AM to 5:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Huynh can be reached on (571) 272-4147. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**ILWOO PARK
PRIMARY EXAMINER**


Ilwoo Park

June 6, 2006